

ARM253X NOVOLAC TOPCOAT

PRODUCT DESCRIPTION

ARM253X is a two component colored high solids novolac epoxy coating designed for application where splash and spills of acids, chemicals, and solvents occur

RECOMMENDED FOR: Recommended for a high build topcoat for traffic areas, chemical troughs and curbs as well as tanks and chemical spill areas such as breweries, wineries, and food processing facilities for cement masonry or brick.

SPECS

SOLIDS BY WEIGHT/VOLUME	96% (+, - 1%) / 94% (+, - 1%)
HEAT DEFLECTION TEMP.	115.5 degrees F, ASTM D648
VOLATILE ORGANIC CONTENT	Less than 44 g/L
RECOMMENDED FILM THICKNESS	16-18 mils
PACKAGING INFORMATION	1.5 gallon kit, 3 gallon kit, and 15 gallon kit
FLEXURAL STRENGTH	9,610 psi @ ASTM D790- 1/2"X1/2" bars span 4"
MIX RATIO	2 Parts A to 1 Part B
SHELF LIFE	1 year in unopened containers
COMPRESSIVE STRENGTH	9,900 psi @ ASTM D695
TENSILE STRENGTH	6,680 psi @ ASTM D638
ADHESION	425 psi @ elcometer (concrete failure, no delamination)
ULTIMATE ELONGATION	4.7%
VISCOSITY	Mixed = 2200-2700 cps (typical)
DOT CLASSIFICATIONS	Part A "not regulated" Part B "CORROSIVE LIQUID N.O.S., 8, UN1760, PGIII"
ABRASION RESISTANCE	Taber abraser CS-17 calibrase wheel with 1000 gram total load and 500 cycles= 20 mg loss
HARDNESS	Shore D = 88
GARDNER VARIABLE IMPACTOR	50 inch pounds direct - passed

COVERAGE

PER GALLON	90-100 square feet per gallon @ 16-18 mils. Coverage will vary based on surface profile and application thickness
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COLORS

Light gray, Medium Gray, and Tile Red

CURE SCHEDULE

POT LIFE (1.5 Gal)	25-35 minutes
TACK FREE (Dry to touch)	5-7 hours
RECOAT OR TOPCOAT	5-10 hours
LIGHT FOOT TRAFFIC	10-18 hours
FULL CURE (heavy traffic)	2-7 days
APPLICATION TEMPERATURE	60-95 degrees F with RH below 90%

PRIMERS

Recommend to be used with ARM57X or ARM903SLX.

TOPCOAT

None recommended

CHEMICAL RESISTANCE

Xylene	D
1,1,1 trichloroethane	C
MEK	C
Methanol	C
Ethyl alcohol	C
Skydrol	C
10% Sodium Hydroxide	E
50% sodium hydroxide	E
10% sulfuric acid	E
70% Sulfuric Acid	C
10% HC1 (aq)	D
5% Acetic Acid	D

Rating Key: Rating key: A - not recommended, B - 2 hour term splash spill, C - 8 hour term splash spill, D - 72 hour immersion, E - long term immersion. NOTE: extensive chemical resistance information is available through your sales representative.

FEATURES



Chemical Resistance



Heat Resistant



Super Durable



Roll On Application

LIMITATIONS

Color stability or gloss may be affected by environmental conditions such as high humidity, low temperature or chemical exposure. Colors may vary from batch to batch. Therefore, use only product from the same batch for an entire job. Apply a suitable primer before using this product. This product is not UV color stable and exposure to lighting such as sodium vapor lights may cause discolorations. Mixtures of chemicals and applications with exposures to chemicals at elevated temperatures should be thoroughly evaluated before applying coating. A test patch is recommended. Product can develop surface irregularities in leveling in combination to some chemical contamination or substrate compositions. Substrate temperature must be 5°F above dew point. For best results, apply with a 1/4" nap roller. All new concrete must be cured for at least 30 days prior to application. See reverse side for application instructions.



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PRODUCT STORAGE

Store product in an area as to bring the material to normal room temperature before using. Continuous storage should be between 6 and 90 degrees F. Low temperatures or great temperature fluctuations may cause product crystallization

SURFACE PREPARATION

The most suitable surface preparation would be a fine brush blast (shot blast) to remove all laitance and provide a suitable profile. All dirt, foreign contaminants, oil and laitance must be removed to assure a trouble free bond to the substrate. A test should be made to determine that the concrete is dry; this can be done by placing a 4'X4' plastic sheet on the substrate and taping down the edges. If after 24 hours, the substrate is still dry below the plastic sheet, then the substrate is dry enough to start coating. The plastic sheet testing is also a good method to determine if any hydrostatic pressure problems exist that may later cause disbonding.

PRODUCT MIXING

This product has a mix ratio of 2 Part A to 1 Part B. Standard packages are in pre-measured kits and should be mixed as supplied in the kit. We highly recommend that the kits not be broken down unless suitable weighing equipment is available. After the two parts are combined, mix well with slow speed mixing equipment such as a jiffy mixer until the material is thoroughly mixed and streak free. After mixing, transfer the mixed material to another pail (the transfer pail) and again remix. The material in the transfer pail is now ready to be applied on the primed substrate. Improper mixing may result in product failure.

PRIMING

A suitable primer should be used before applying this product. See the front side of this technical data for primer information. If a primer is not used, more porous substrates may cause outgassing and possible surface defects

PRODUCT APPLICATION

The mixed material material can be applied by brush or roller. However, the material can also be applied by a suitable serrated squeegee and then back rolled as long as the appropriate thickness recommendations are maintained. Maintain temperatures and relative humidity within the recommended ranges during the application and curing process. If concrete conditions or over aggressive mixing causes air entrapment, then an air release roller tool should be used prior to the coating tacking off to remove the air entrapped in the coating.

RECOATING OR TOPCOATING

If you opt to recoat or topcoat this product, you must first be sure that the coating has tacked off before recoating. However, all previous coats should be deglossed to insure a trouble free bond prior to application of recoats or topcoats. Always remember that colder temperatures will require more cure time for the product before recoating or topcoating can commence. Before recoating or topcoating, check the coating to insure no epoxy blushes were developed (a whitish, greasy film, or deglossing.) If a blush is present, it must be removed prior to topcoating or recoating. Multiple coats of this product are acceptable and can be used to achieve greater chemical resistance and build.

CLEANUP / FLOOR FLEENING

Use xylol to cleanup during application. For floor cleaning and maintenance please be cautious. Some cleaners may affect the color of the floor installed. Test each cleaner in a small area, utilizing your cleaning technique. If no ill effects are noted, you can continue to clean with the product and process tested.

RESTRICTIONS

Restrict the use of the floor to light traffic and non-harsh chemicals until the coating is fully cured (see technical data under full cure). It is best to let the floor remain dry for the full cure cycle. Dependent on actual complete system application, surface may be slippery, especially when wet or contaminated; keep surface clean and dry.

NOTICE TO BUYER: DISCLAIMER OF WARRANTIES AND LIMITATIONS ON OUR LIABILITY

We warrant that our products are manufactured to strict quality assurance specifications and that the information supplied by us is accurate to the best of our knowledge. Such information supplied about our products is not a representation or a warranty. It is supplied on the condition that you shall make your own tests to determine the suitability of our product for your particular purpose. Any use or application other than recommended herein is the sole responsibility of the user. Listed physical properties are typical and should not be construed as specifications. NO WARRANTY IS MADE, EXPRESSED OR IMPLIED, REGARDING SUCH OTHER INFORMATION, THE DATA ON WHICH IT IS BASED, OR THE RESULTS YOU WILL OBTAIN FROM ITS USE. NO WARRANTY IS MADE, EXPRESSED OR IMPLIED, THAT OUR PRODUCT SHALL BE MERCHANTABILITY OR THAT OUR PRODUCT SHALL BE FIT FOR ANY PARTICULAR PURPOSE. NO WARRANTY IS MADE THAT THE USE OF SUCH INFORMATION OR OUR PRODUCT WILL NOT INFRINGE UPON ANY PATENT. We shall have no liability for incidental or consequential damages, direct or indirect. Our liability is limited to the net selling price of our product or the replacement of our product, at our option. Acceptance of delivery of our product means that you have accepted the terms of this warranty whether or not purchase orders or other documents state terms that vary from this warranty. No representative is authorized to make any representation or warranty or assume any other liability on our behalf with any sale of our products. Our products contain chemicals that may CAUSE SERIOUS PHYSICAL INJURY. BEFORE USING, READ THE MATERIAL SAFETY DATA SHEET AND FOLLOW ALL PRECAUTIONS TO PREVENT BODILY HARM.